

Hurricanes

- Rainfall can increase by 3-31 percent and wind speeds can increase by 2-11 percent in the next 100 years.
- Scientist predict that higher wind speeds, more precipitation, and bigger storm surge in the coming decades.
- Hurricanes duration have increased over the past 30 years due to global warming. Warming sea surface levels are the main cause for this. Since 1970 the surface temp has increased 1 degree Fahrenheit making it more likely for hurricanes.
- With higher sea levels and more hurricanes this leaves coastal cities more vulnerable to flooding.
- In 2005, Massachusetts Institute of Technology, ran studies to prove that big storms that occurred in the Atlantic and Pacific, showed that the storms were getting increased in duration and intensity by 50%.

Droughts

- It is predicted that global warming will cause more droughts and cause more
- Within the past couple of decades, many places around the world are experiencing droughts. In south-east U.S.A., the region has been suffering from a drought since the late 20th century.
- A drought is when an area of land experiences a lack of water. This has many side effects. When droughts occur people and the environment suffer. Droughts are starting to occur due to what humans are doing to the planet.
- When an area does not receive rain or snow fall for sometime a drought will start to occur. When the earth's temperature rises, there water is not as sustainable. This can also happen when an area is up stream, so they do not receive the same moisture.
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Wild Fires

- These are unstoppable fires that spread throughout the wilderness (mostly in forests). These have the potential to make their way to cities and start to burn them down.
- They will destroy anything from homes, to crops.

- The fires often start quite small and happen quickly. They leap from tree to tree and bush to bush spreading it at a incredible rate.
- They can happen on any continent except for Antarctica.
- The fires need a dry area to be able to burn. They need oxygen and plants to be able to burn. Plants and oxygen are used as fuel for the fire to burn.

Floods

- This is water that has come from the ocean or heavy rain coming into an area where it cannot escape. When this happens it starts to pool up and make the water levels raise.
- Floods happen more and more because the air is getting warmer, and when the air gets warmer, it has the ability to trap more water. This leads to the ability for more rain to fall.
- A flood can destroy everything in its path.
- It can ruin a whole house and entire sections of cities.
- Floods lead to the destruction of crops and many animal's habitats. This is harmful to the environment by shifting the way of life that is going on.

Superstorm Sandy

- The Superstorm Sandy hit New Jersey, New York
- October 29, 2012.
- It took over 70 lives in the United States and almost 150 in total. 72, in the U.S., 1 in Canada, and 67 in the Caribbean.
- This caused nearly \$50 billion dollars in damages. This brought in 60 Billion dollars from congress for relief.
- It started in the Caribbean on October 19, 2012. It made its way up to the north coast, bouncing between a tropical storm, category 1 hurricane, and a category 2 hurricane.

Effects

- Homes get destroyed.
- Thousands killed and injured.
- Habitats get destroyed.
- Animals get killed.
- Crops are burned.
- Forests get destroyed.

Websites Used:

- <http://www.nwf.org/Wildlife/Threats-to-Wildlife/Global-Warming/Global-Warming-is-Causing-Extreme-Weather.aspx>
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